



Approval of an Amendment to the Agreement with CH2MHill, the City of Reno, and the City of Sparks for engineering services associated with improvements to the Dewatering Facility at the Truckee Meadows Water Reclamation Facility in a total amount of \$142,000 with Reno's share being \$97,454.60 (Sewer Enterprise Fund).

Information

Department: Public Works
Category: Amendment

Attachments

1. Printout 
2. Amendment_1 Agreement[1] 

Staff Recommendation

Staff recommends Council approve Amendment to the agreement with CH2MHILL, the City of Reno and the City of Sparks in the amount of \$ 142,000 with Reno's share being \$97,454.60, and authorize the Mayor to sign.

Proposed Motion

I move to approve the staff recommendation.

Body

Summary: A CH2MHill engineering evaluation of the mechanical and electrical subsystems of the Truckee Meadows Water Reclamation Facility's (TMWRF) Dewatering process operation, has revealed more severe deficiencies than originally anticipated. Several near-term capital improvements are urgently needed to improve the operational reliability of the Dewatering process operation. The scope of the needed design services exceeds the scope anticipated by the original Agreement. Staff recommends an amendment to **CH2MHILL's** Agreement in the amount of \$142,000 with Reno's share being \$97,454.60 .

Previous Council Action: February 22, 2012 Council approved an Agreement with **CH2MHill** in the amount of \$500,000.00 to provide an engineering evaluation of the Dewatering operation enabling the preparation of a near-term and long-term plan for the Dewatering operation.

Background: The Truckee Meadows Water Reclamation Facility (TMWRF) is jointly owned by the Cities of Reno and Sparks. The City of Reno oversees the Capital Improvement Program for TMWRF, while the City of Sparks manages operations. “Sewage Sludge” is the solids separated during the treatment of municipal wastewater. The Dewatering Facility at TMWRF increases the solids content of digested sewage sludge from a solids content of approximately 5% to 15% thereby enabling TMWRF to have the dried sludge hauled off-site for disposal. The existing Dewatering Facility was placed into continuous service in the early 1980’s. With time, the corrosive by-products of the sludge handling process have caused extensive damage to the electrical, mechanical and structural steel systems of the Dewatering process. At the present, responses to operating systems failures consume an inordinately large percentage of the available mechanical and electrical technician’s time. A recent detailed risk assessment of TMWRF infrastructure identified the Dewatering Facility as being a high priority for upgrades to the operating systems. The original scope of work for CH2MHill was to evaluate both the immediate needs and long term needs for the dewatering process. Improvement to the Dewatering facilities is recognized as a priority and funding is included in the Capital Improvement Project list approved by the Joint Coordinating Committee.

Discussion: CH2MHILL has completed an engineering evaluation of TMWRF’s Dewatering operation and concluded that near-term improvements to mechanical, electrical and controls systems are needed to ensure reliability. These improvements will also simplify operations, reduce maintenance, result in lower operating costs and maximize the useful life of the Dewatering operation. As stipulated in the original Staff Report, Reno’s Project Manager instructed CH2MHILL to proceed with preparation of plans and specifications but not to exceed the authorized funding until supplemental funding is obtained.

Financial Implications: The City of Reno will administer the agreement and will be reimbursed for a portion of the costs by the City of Sparks through the current cost sharing agreement for TMWRF operation and maintenance. The City of Reno and the City of Sparks share the cost of this project based upon their ownership of TMWRF, which is 68.63% for Reno and 31.37% for Sparks, as shown in Table 1.

Table 1 - Cost Sharing Between Reno and Sparks

Cost of Amendment	Reno Share	Sparks Share
\$142,000.00	\$ 97,454.60	\$ 44,545.40
Percentages	68.63%	31.37%

The City of Reno sewer enterprise fund has two components that fund capital projects for the expansion of treatment plant capacity and the upgrades to existing plant facilities. Projects that require replacement or repair of facilities are funded through the existing user fee fund. Sewer enterprise funds are budgeted for this work.

Table 2 – Reno Cost Sharing Between User Fee and Connection Fee Funds

Reno Share of Contract Amount	User Fee Share	Connection Fee Share
\$ 97,454.60	\$ 77,963.68	\$19,490.92
Percentages	80%	20%